

product description

Patch cable, preferred length, preassembled with two RJ45 connectors (10/100MB)

Industrial Ethernet TP Cord RJ45/RJ45, TP cord pre-assembled with 2 RJ45 plug, length 2 m.



suitability for use

Easy connection of terminal devices to the IE FC cabling system

cable designation

LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN

wire length

2 m

electrical data

number of electrical connections

2

attenuation factor per length

| | |
|------------------------|------------|
| • at 10 MHz / maximum | 0.09 dB/m |
| • at 100 MHz / maximum | 0.285 dB/m |
| • at 300 MHz / maximum | 0.495 dB/m |
| • at 600 MHz / maximum | 0.75 dB/m |

impedance

| | |
|-------------------------|-------|
| • at 1 MHz ... 100 MHz | 100 Ω |
| • at 10 MHz ... 600 MHz | 100 Ω |

relative symmetrical tolerance

| | |
|---|------|
| • of the characteristic impedance at 1 MHz ... 100 MHz | 15 % |
| • of the characteristic impedance at 10 MHz ... 600 MHz | 6 % |

transfer impedance per length / at 10 MHz

10 mΩ/m

loop resistance per length / maximum

300 mΩ/m

insulation resistance coefficient

150 GΩ·m

operating voltage

| | |
|-------------|------|
| • RMS value | 80 V |
|-------------|------|

mechanical data

number of electrical cores

4

design of the shield

Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires

core diameter

| | |
|--------------------------------|---------|
| • of AWG26 insulated conductor | 0.48 mm |
|--------------------------------|---------|

outer diameter

| | |
|--------------------------|---------|
| • of inner conductor | 0.48 mm |
| • of the wire insulation | 0.98 mm |

width / of cable sheath

5.8 mm

symmetrical tolerance of width / of cable sheath

0.2 mm

thickness / of cable sheath

3.7 mm

symmetrical tolerance of thickness / of cable sheath

0.2 mm

material

| | |
|--------------------------|-------------------|
| • of the wire insulation | polyethylene (PE) |
| • of cable sheath | PVC |

color

| | |
|-----------------------------------|--------------------------|
| • of the insulation of data wires | white/blue, white/orange |
|-----------------------------------|--------------------------|

| | |
|---|--|
| <ul style="list-style-type: none"> • of cable sheath | green |
| bending radius | |
| <ul style="list-style-type: none"> • with single bend / minimum permissible | 24 mm |
| <ul style="list-style-type: none"> • with multiple bends / minimum permissible | 42 mm |
| weight per length | 32 kg/km |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during storage | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during transport | -40 ... +70 °C |
| <ul style="list-style-type: none"> • during installation | -40 ... +70 °C |
| fire behavior | flame resistant according to IEC 60332-2-1 |
| chemical resistance | |
| <ul style="list-style-type: none"> • to mineral oil | oil resistant according to IEC 60811-2-1 (4 h / 70°C) |
| <ul style="list-style-type: none"> • to grease | Conditional resistance |
| protection class IP | IP20 |
| product features, product functions, product components / general | |
| product feature | |
| <ul style="list-style-type: none"> • halogen-free | No |
| <ul style="list-style-type: none"> • silicon-free | Yes |
| standards, specifications, approvals | |
| UL/ETL listing / 300 V Rating | No |
| UL/ETL style / 600 V Rating | No |
| certificate of suitability | |
| <ul style="list-style-type: none"> • EAC approval | Yes |
| <ul style="list-style-type: none"> • UL approval | Yes |
| standard for structured cabling | Cat5 |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) | No |
| <ul style="list-style-type: none"> • French marine classification society (BV) | No |
| <ul style="list-style-type: none"> • Det Norske Veritas (DNV) | No |
| <ul style="list-style-type: none"> • Germanische Lloyd (GL) | No |
| <ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) | No |
| <ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) | No |
| <ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) | No |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 | WG |
| <ul style="list-style-type: none"> • according to IEC 81346-2:2019 | WGB |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| <ul style="list-style-type: none"> • to web page: SiePortal | https://sieportal.siemens.com/ |
| <ul style="list-style-type: none"> • to website: Image database | https://www.automation.siemens.com/bilddb |
| <ul style="list-style-type: none"> • to website: CAx-Download-Manager | https://www.siemens.com/cax |
| <ul style="list-style-type: none"> • to website: Industry Online Support | https://support.industry.siemens.com |
| security information | |
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General Product Approval



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